CATERPILLAR

Service Manual

345 GC EXCAVATOR

-

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v2.20

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Model: 345 GC EXCAVATOR KEF
Configuration: 345 GC Excavator KEF00001-UP (MACHINE) POWERED BY C9.3B Engine

Disassembly and Assembly
345 Hydraulic Excavator Engine Supplement
Media Number -M0093441-00 **Publication Date -01/09/2015** **Date Updated -06/12/2018**

i07424215

Air Cleaner - Install

SMCS - 1051-012-HG; 1051-012; 1054-012

Installation Procedure

Reference: Special Instruction, "Visual Service Procedures - Colors and Symbols" , M0066576.

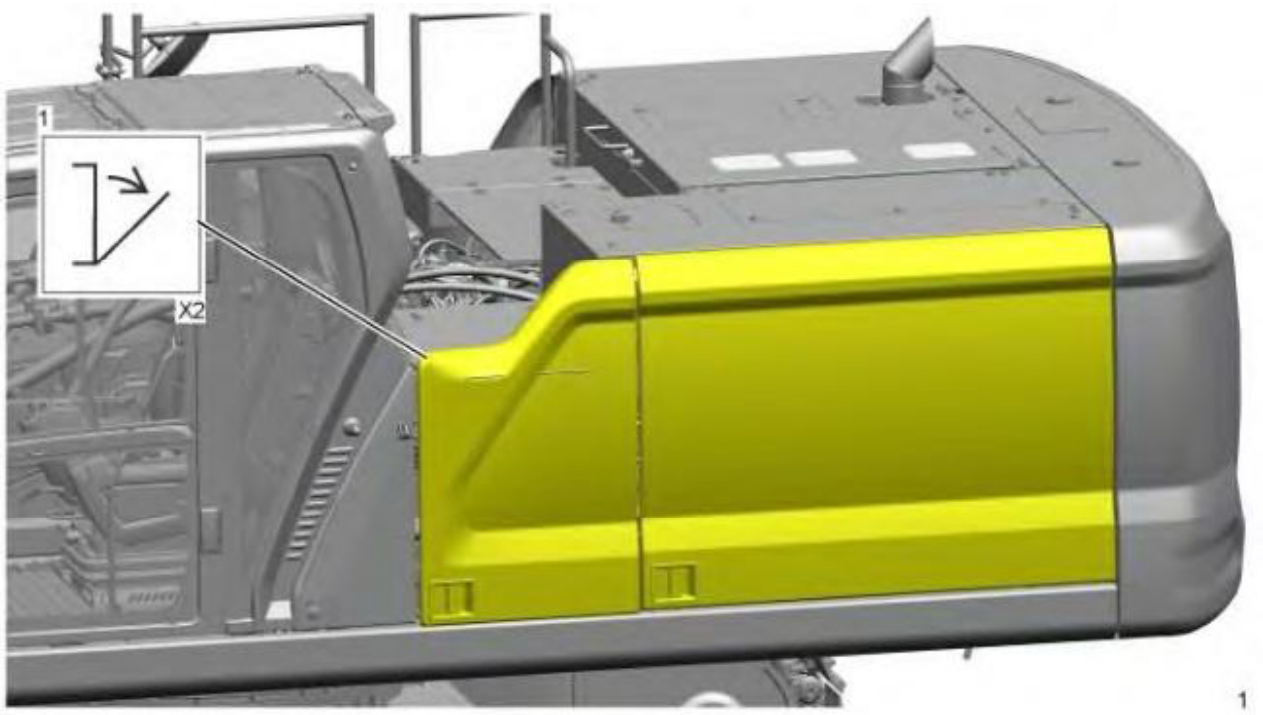

Illustration 1 g06318654

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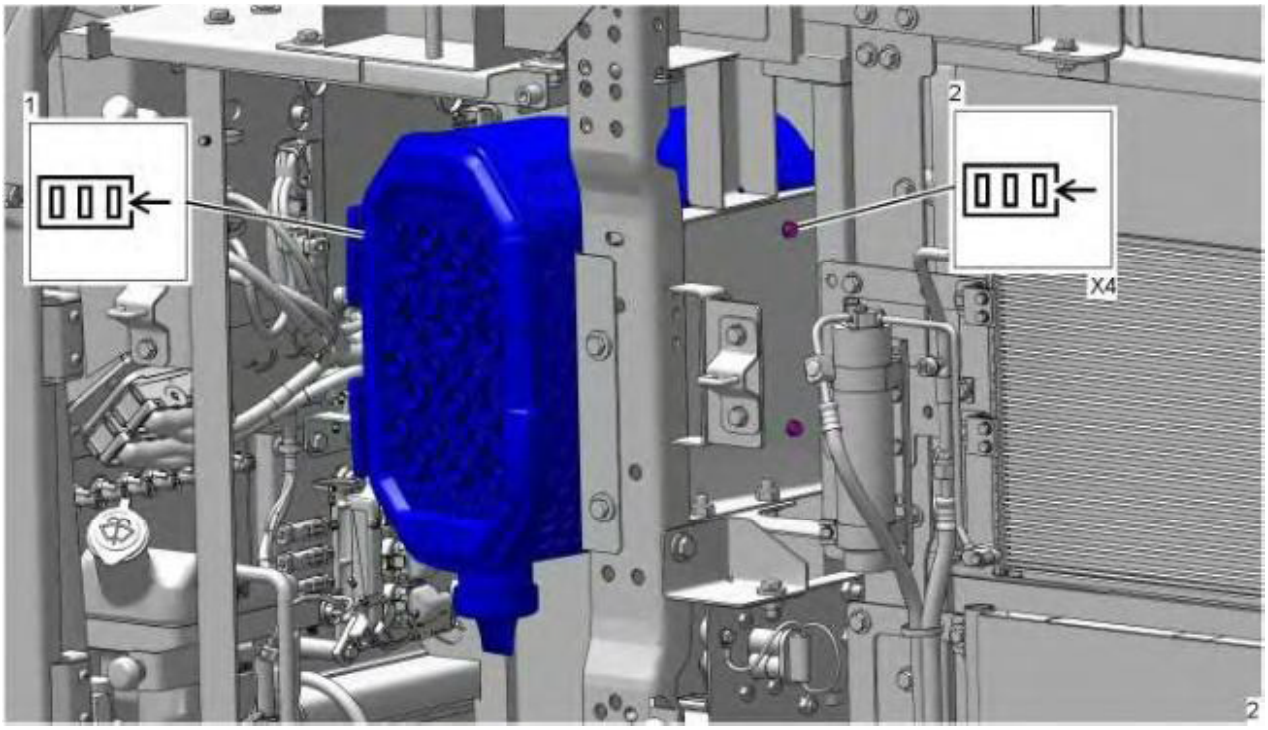

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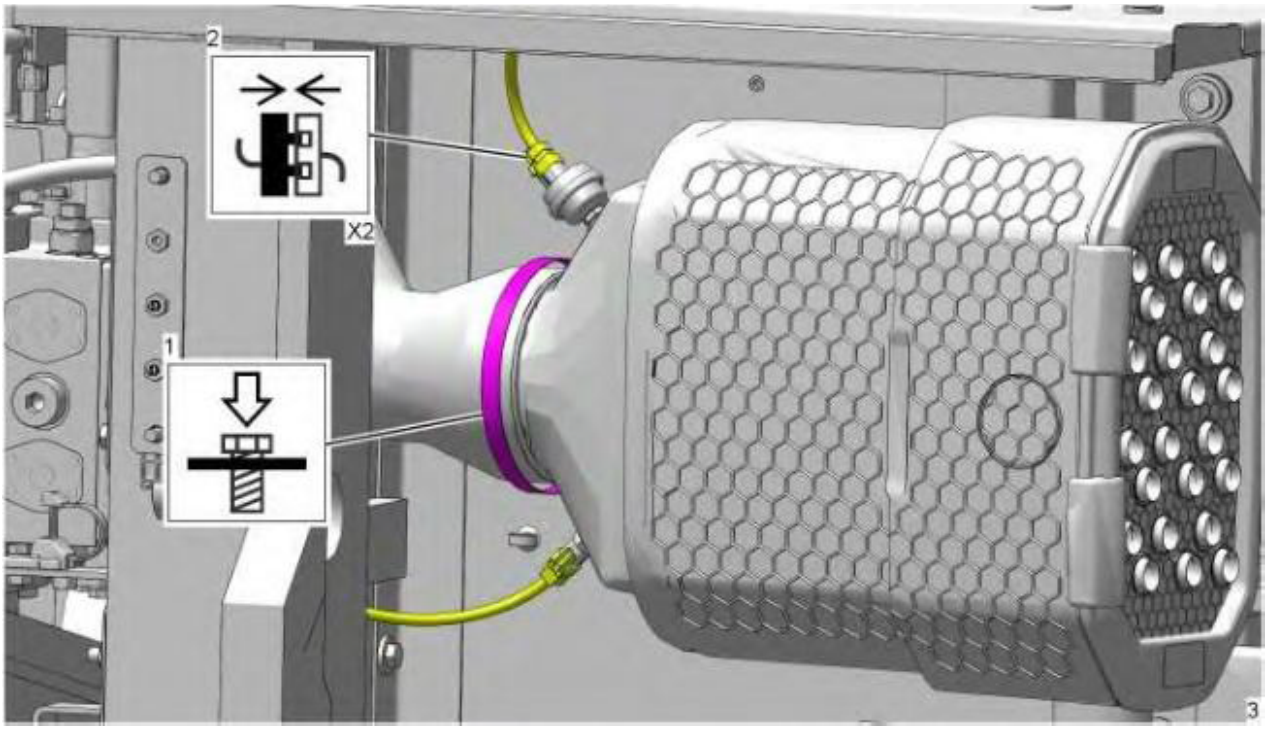

Illustration 3 g06318666

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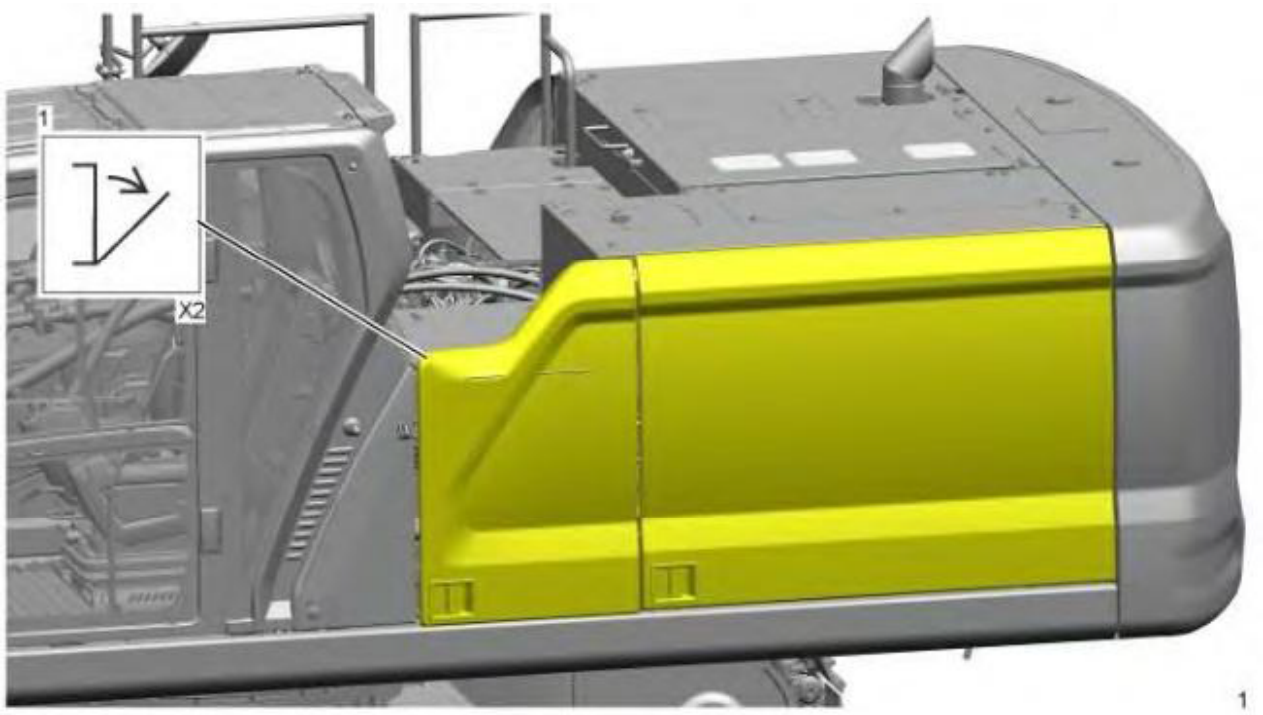
i07424214

Air Cleaner - Remove

SMCS - 1051-011-HG; 1051-011; 1054-011

Removal Procedure

Reference: Special Instruction, "Visual Service Procedures - Colors and Symbols" , M0066576.



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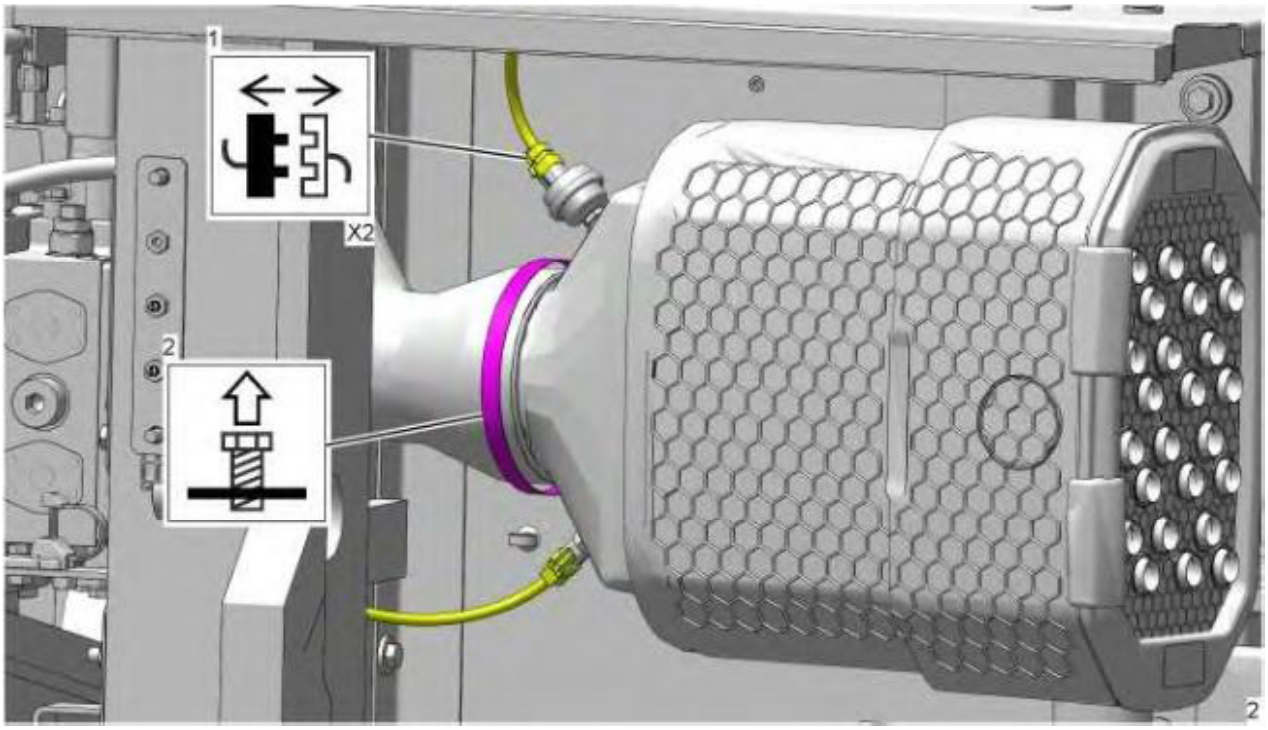

Illustration 2 g06318663

Some components were hidden for photographic purposes.

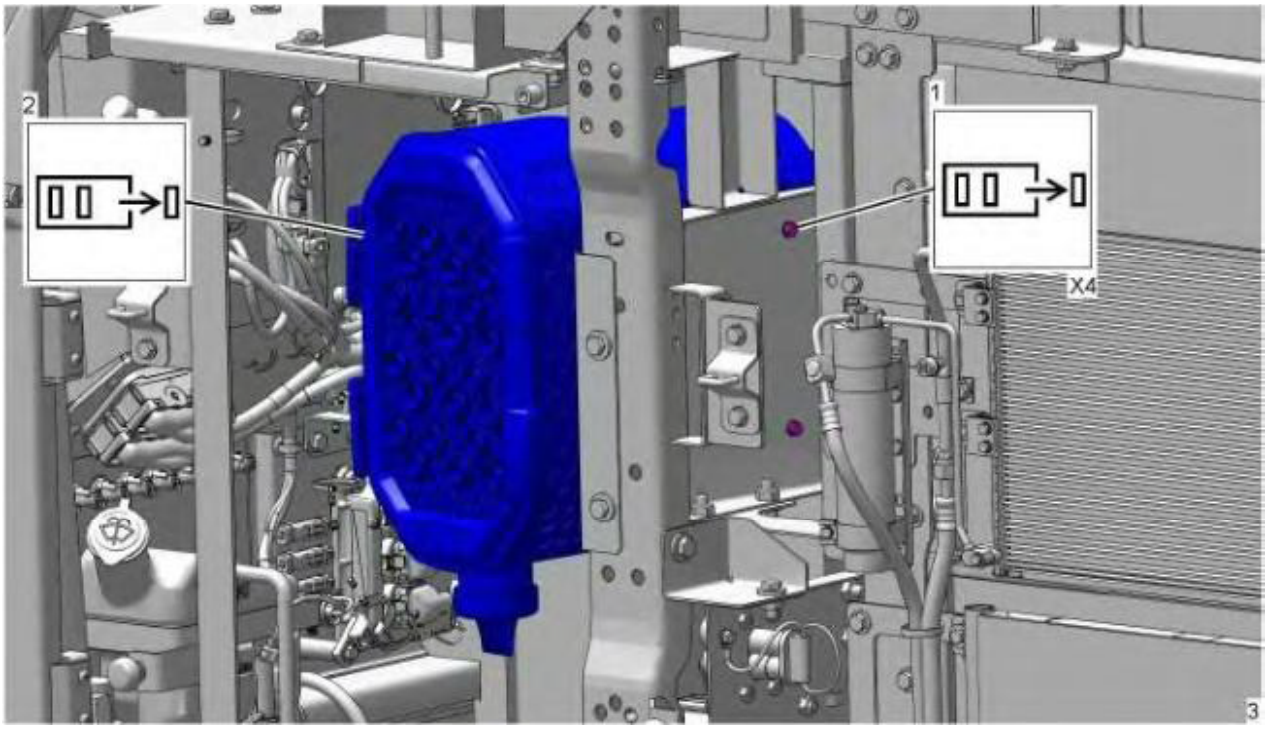

Illustration 3 g06318667

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i07416765

Alternator - Install

SMCS - 1405-012

Installation Procedure

Reference: Special Instruction, "Visual Service Procedures - Colors and Symbols" , M0066576.

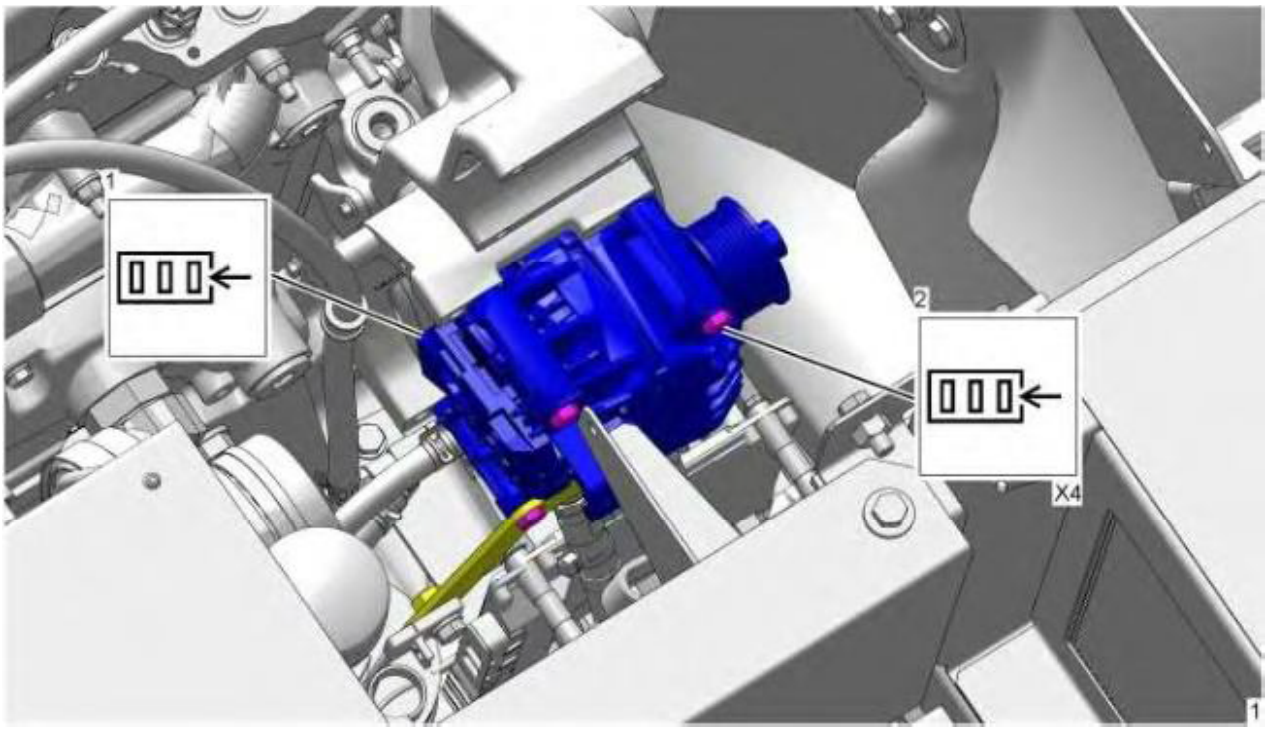

Illustration 1 g06315504

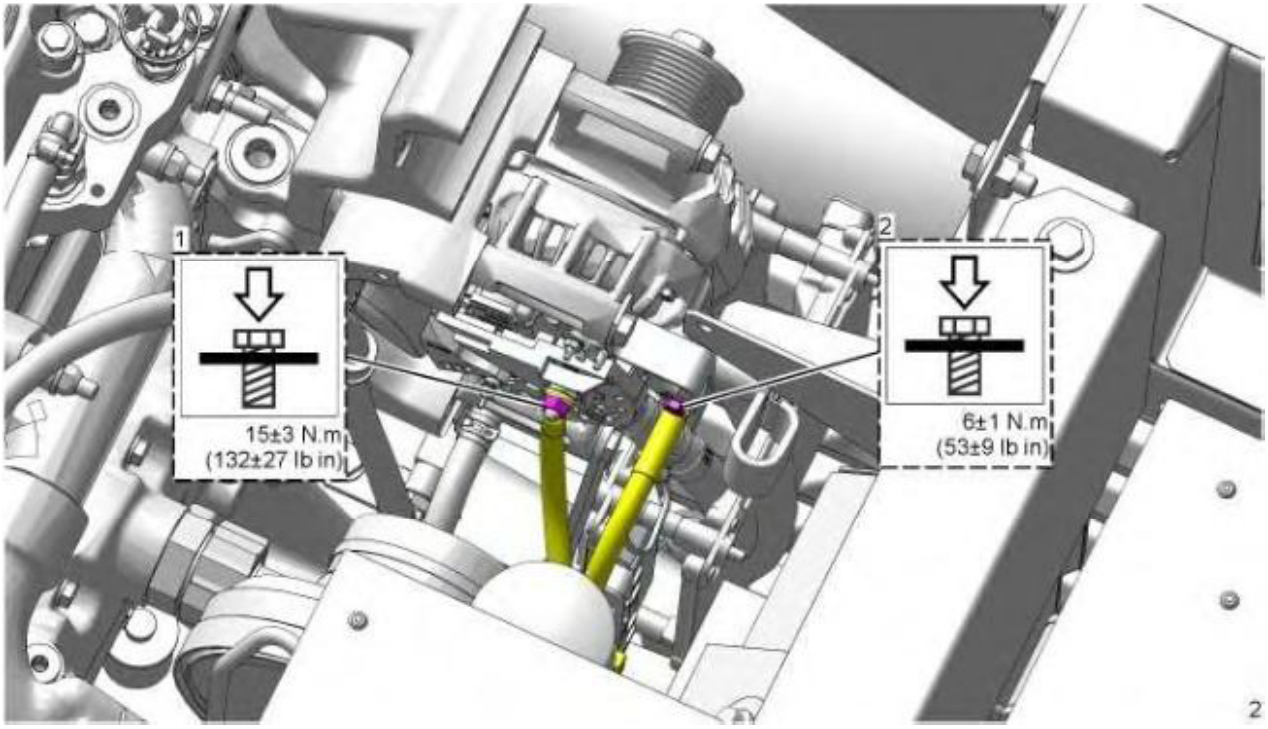

Illustration 2 g06315505

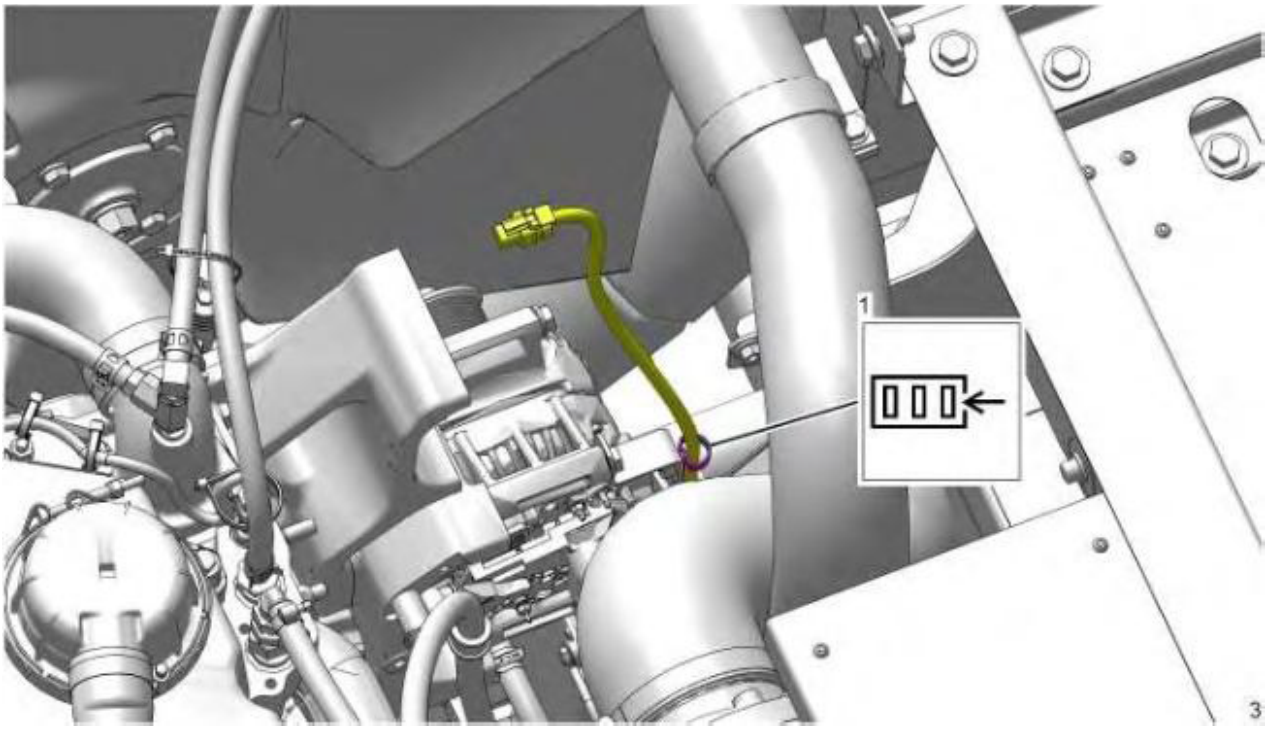

Illustration 3 g06315506

End By:

a. Install the refrigerant compressor.

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Disassembly and Assembly
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i07416764

Alternator - Remove

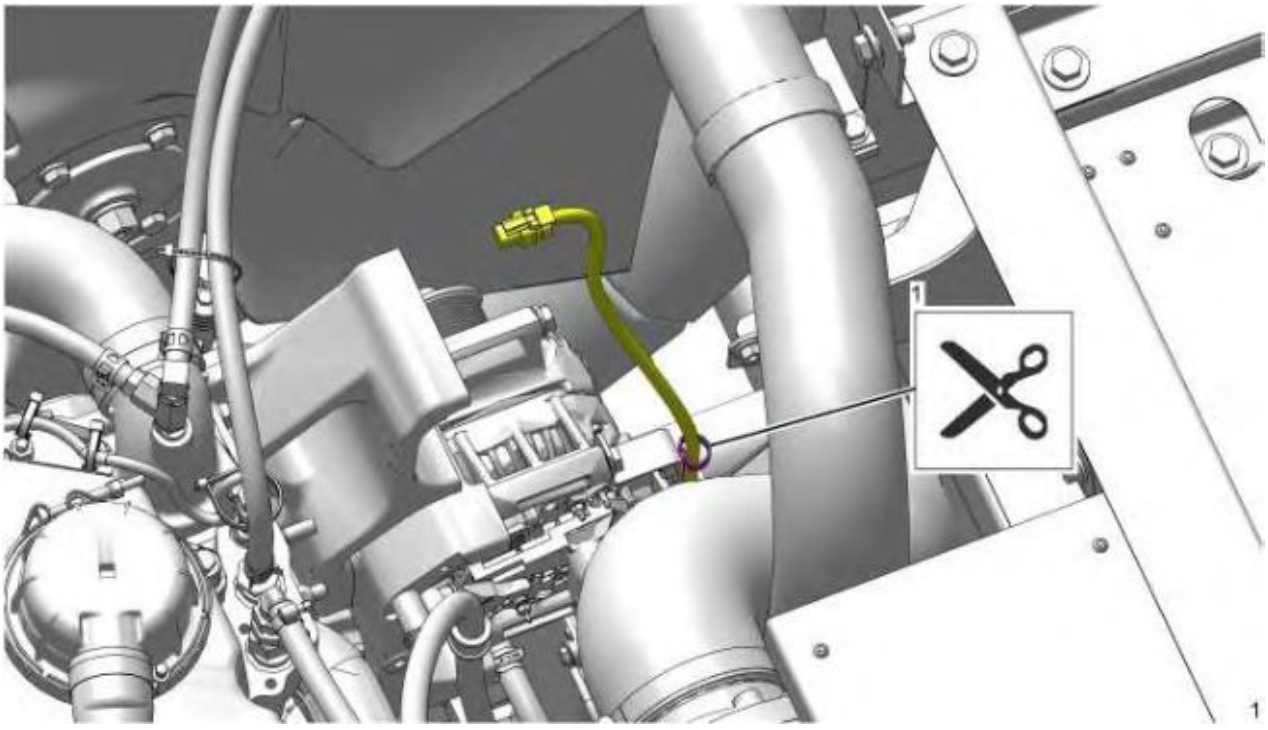
SMCS - 1405-011

Removal Procedure

Reference: Special Instruction, "Visual Service Procedures - Colors and Symbols" , M0066576.

Start By:

a. Remove the refrigerant compressor.



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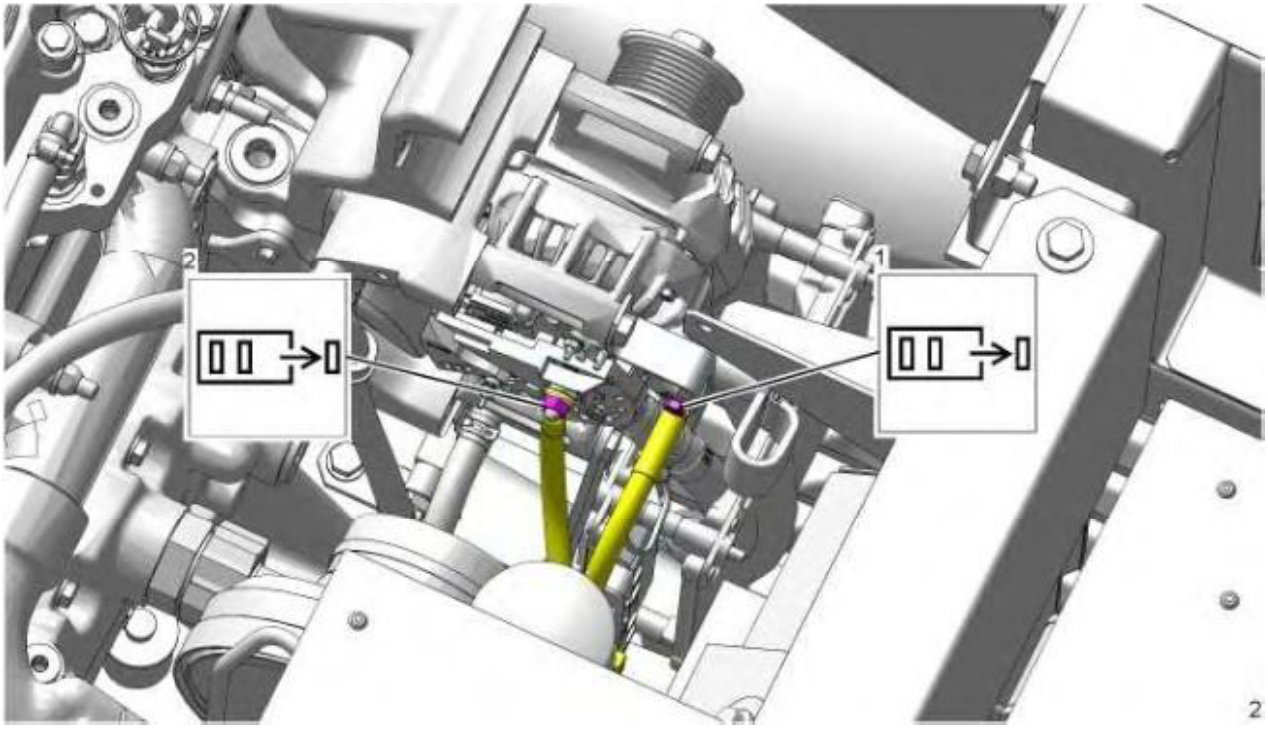

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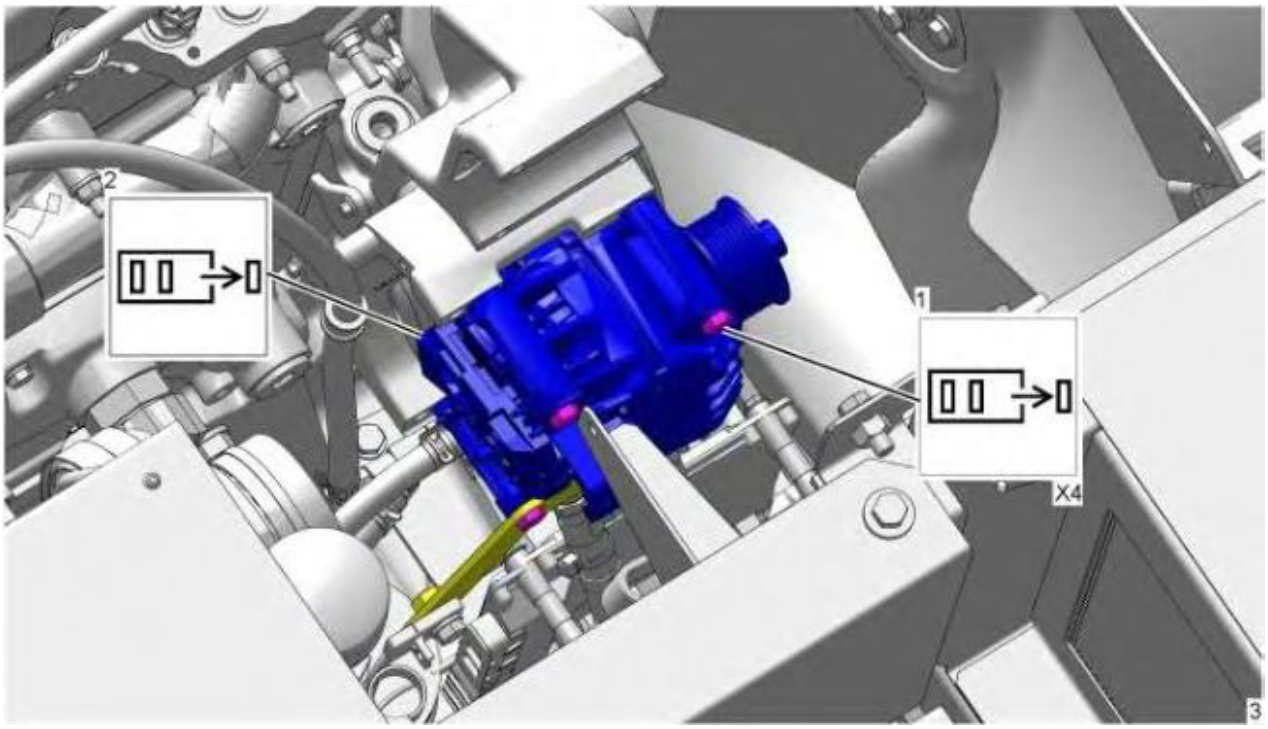

Illustration 3 g06315502

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i07420661

Battery - Install

SMCS - 1401-012

Installation Procedure

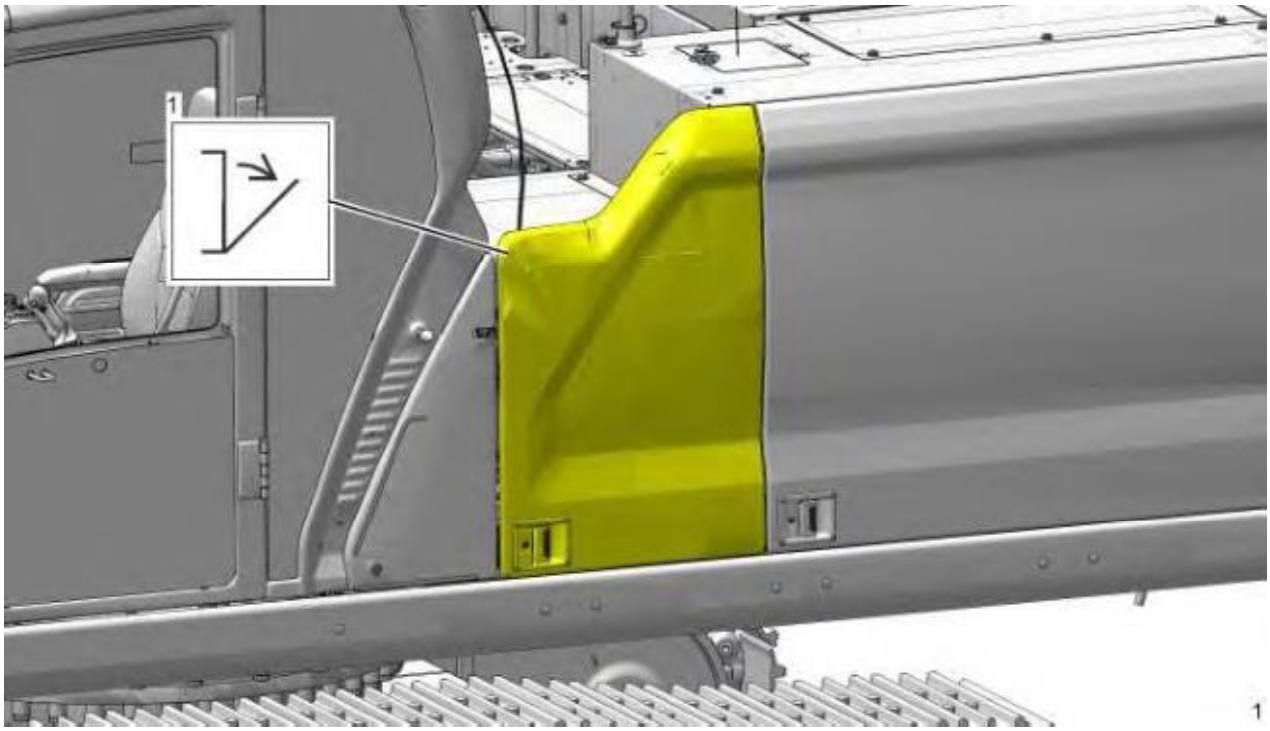
Reference: Special Instruction, "Visual Service Procedures - Colors and Symbols" M0066576.

WARNING

Personal injury can result from failure to disconnect the battery.

First, disconnect the negative battery cable. Then, disconnect the positive battery cable.

A positive power lead can cause sparks if the battery is not disconnected. Sparks can possibly result in battery explosion or fire.



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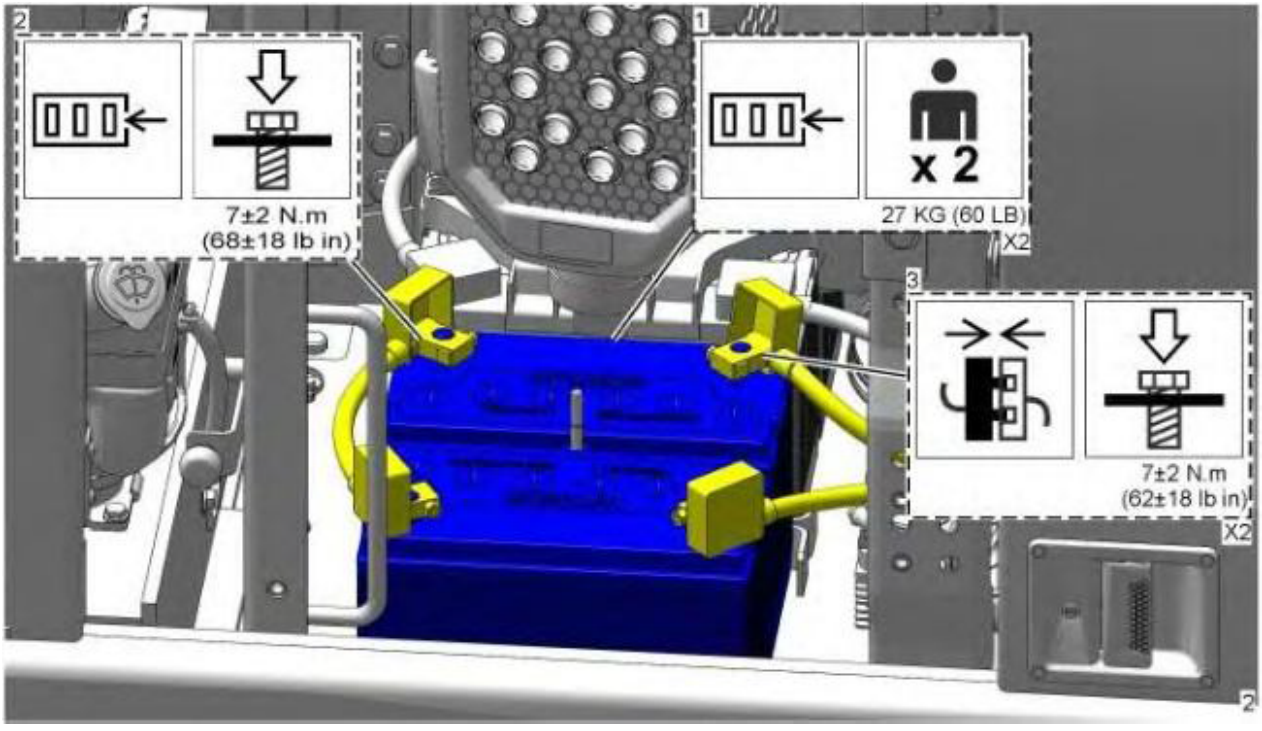

Illustration 2 g06316975

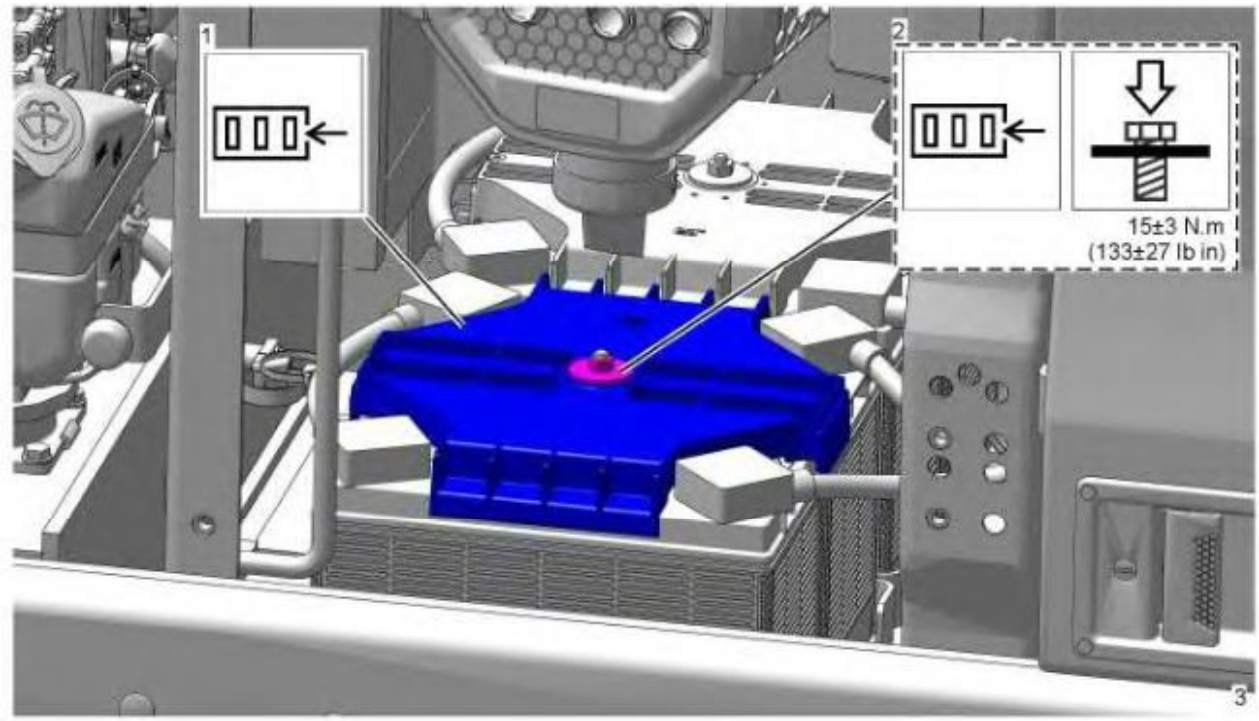

Illustration 3 g06316982

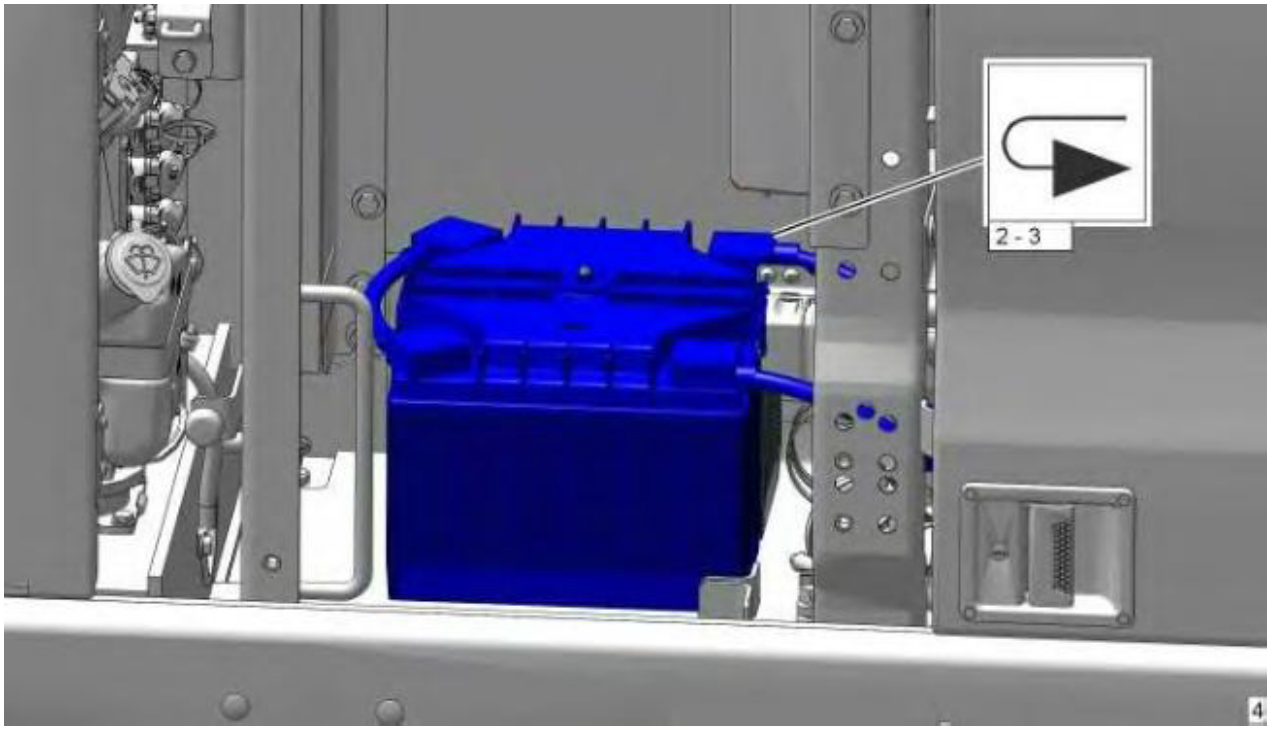

Illustration 4 g06316959

If the machine is equipped with two sets of batteries.

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345 Hydraulic Excavator Engine Supplement
Media Number -M0093441-00 **Publication Date -01/09/2015** **Date Updated -06/12/2018**

i07420660

Battery - Remove

SMCS - 1401-011

Removal Procedure

Reference: Special Instruction, "Visual Service Procedures - Colors and Symbols" M0066576.

WARNING

Personal injury can result from failure to disconnect the battery.

First, disconnect the negative battery cable. Then, disconnect the positive battery cable.

A positive power lead can cause sparks if the battery is not disconnected. Sparks can possibly result in battery explosion or fire.

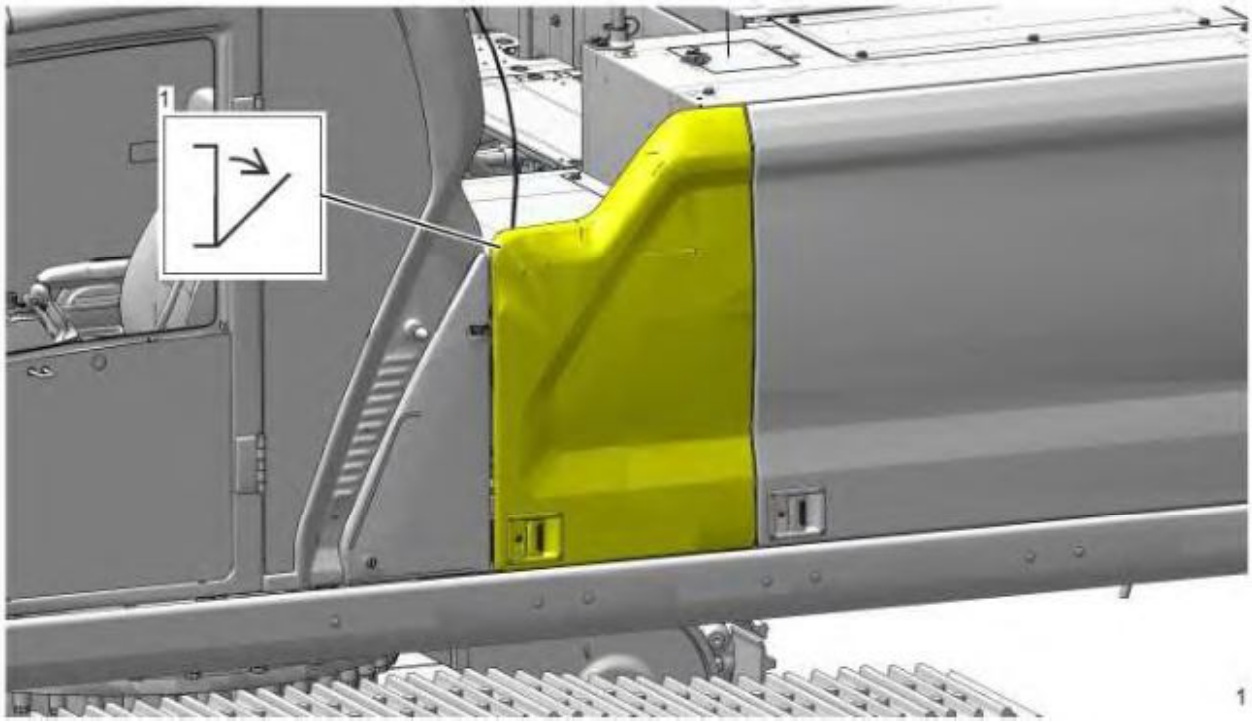

Illustration 1 g06316946

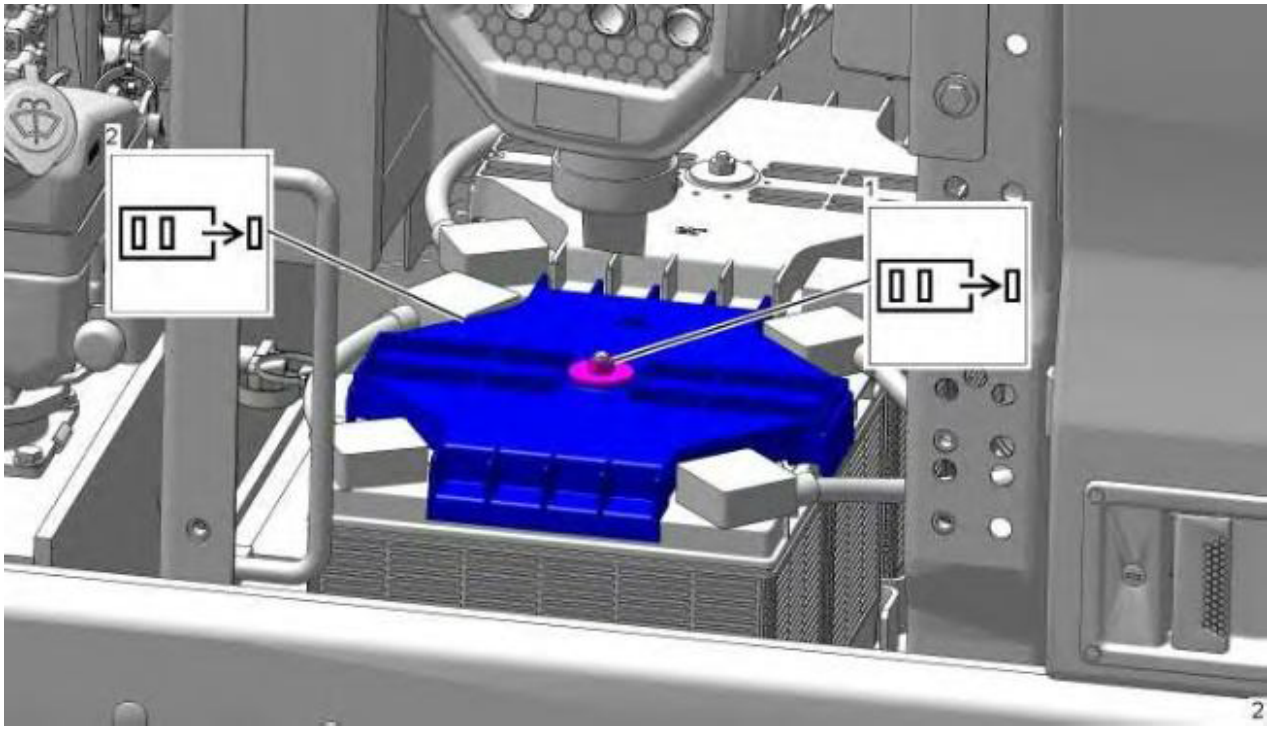

Illustration 2 g06316950

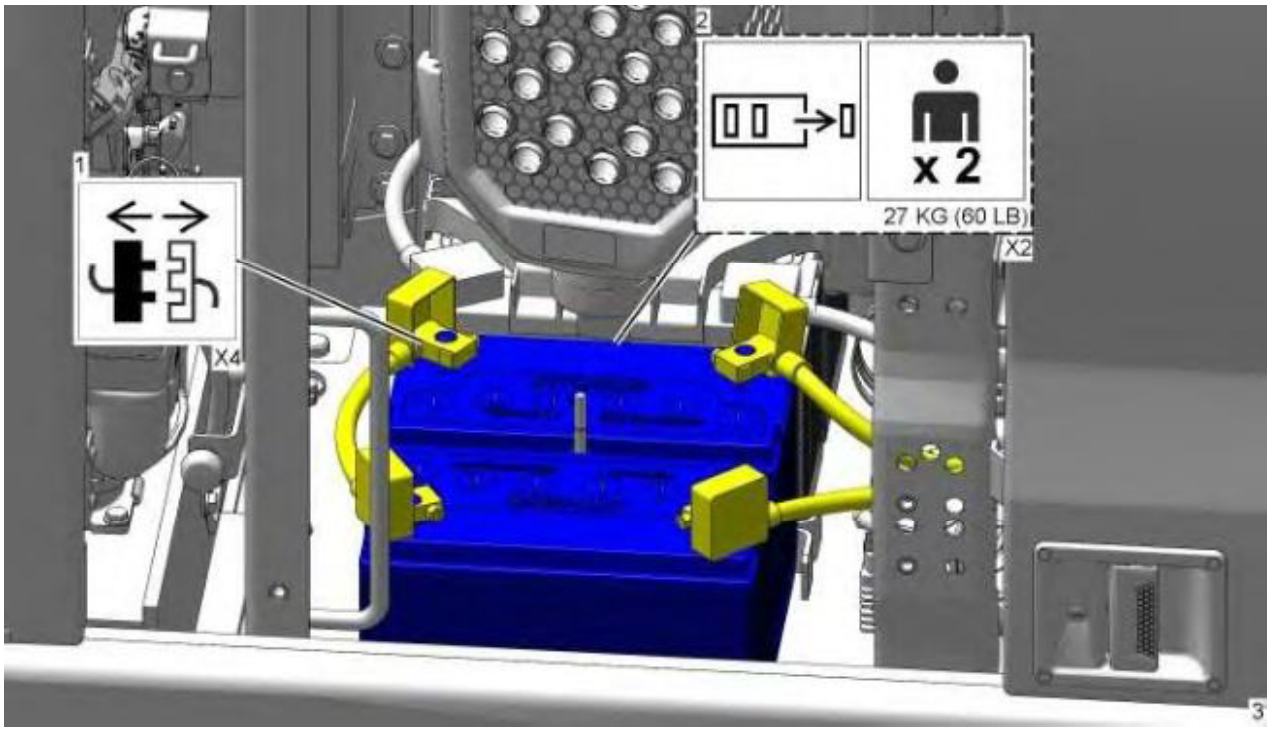

Illustration 3 g06316953

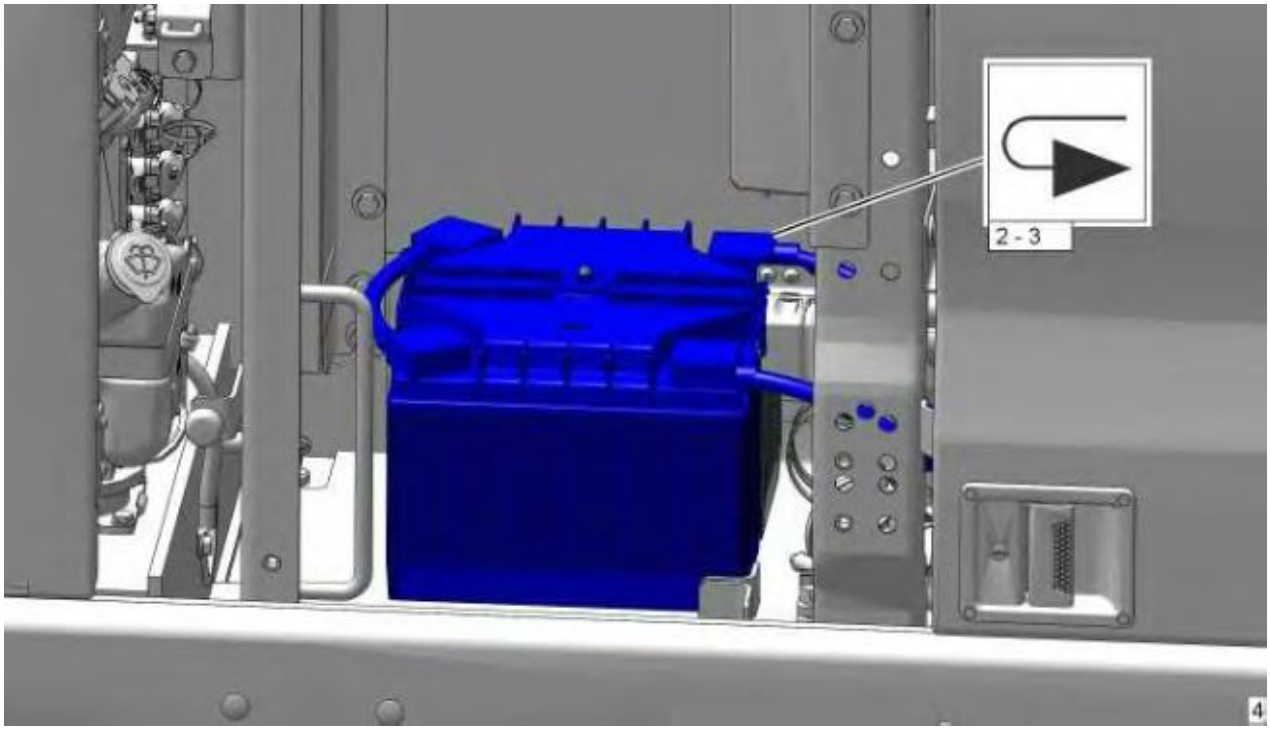

Illustration 4 g06316959

If the machine is equipped with two sets of batteries.

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Disassembly and Assembly
345 Hydraulic Excavator Engine Supplement
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i07428215

Belt Tensioner - Install

SMCS - 4197-012; 4198-012

Installation Procedure

Reference: Special Instruction, "Visual Service Procedures - Colors and Symbols" , M0066576.

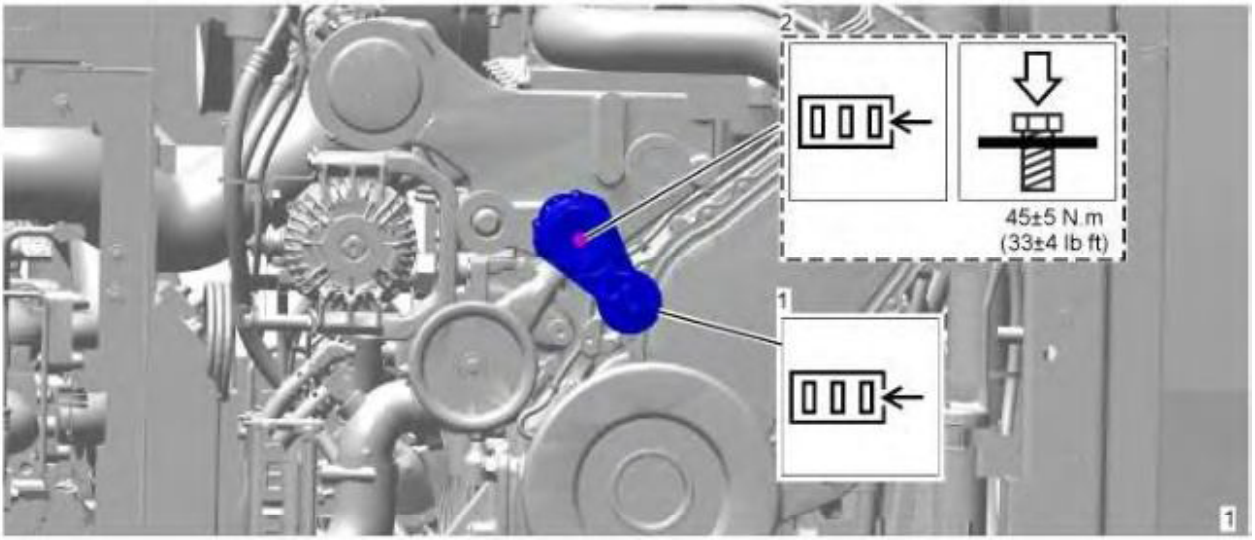

Illustration 1 g06320702

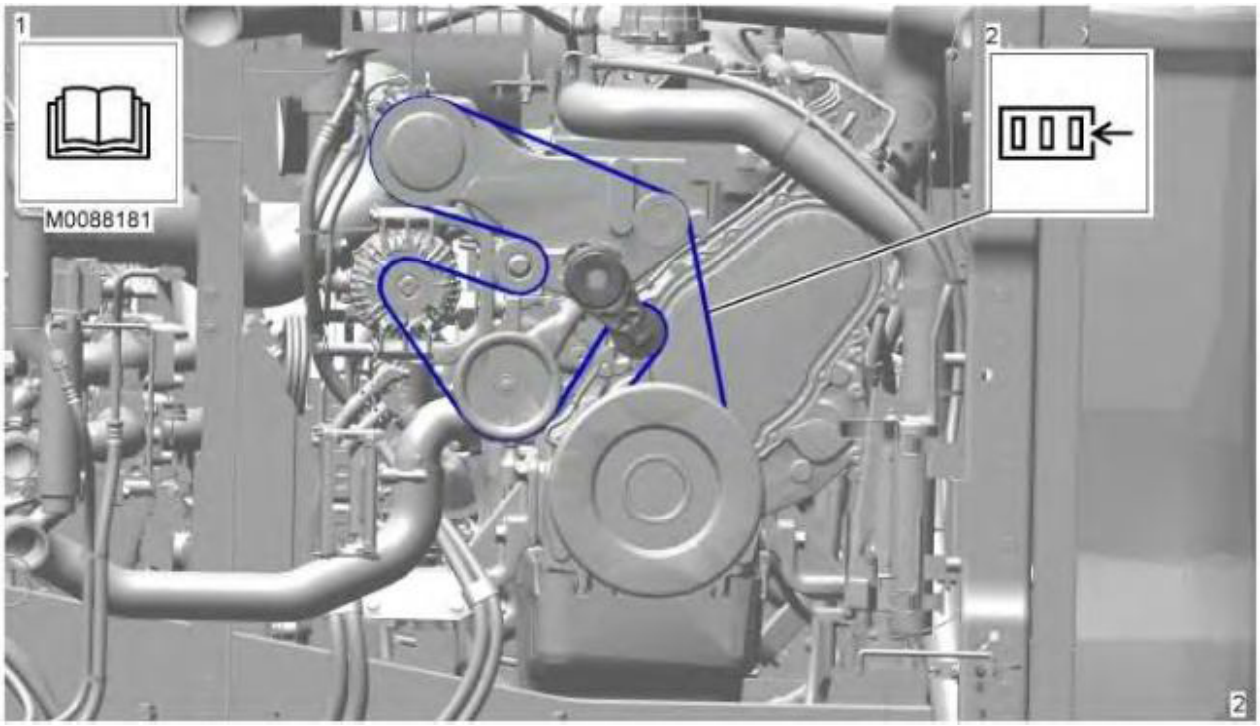

Illustration 2 g06320725

Refer to Operation and Maintenance Manual, "Belt - Inspect/Adjust/Replace", to remove and install the belt.

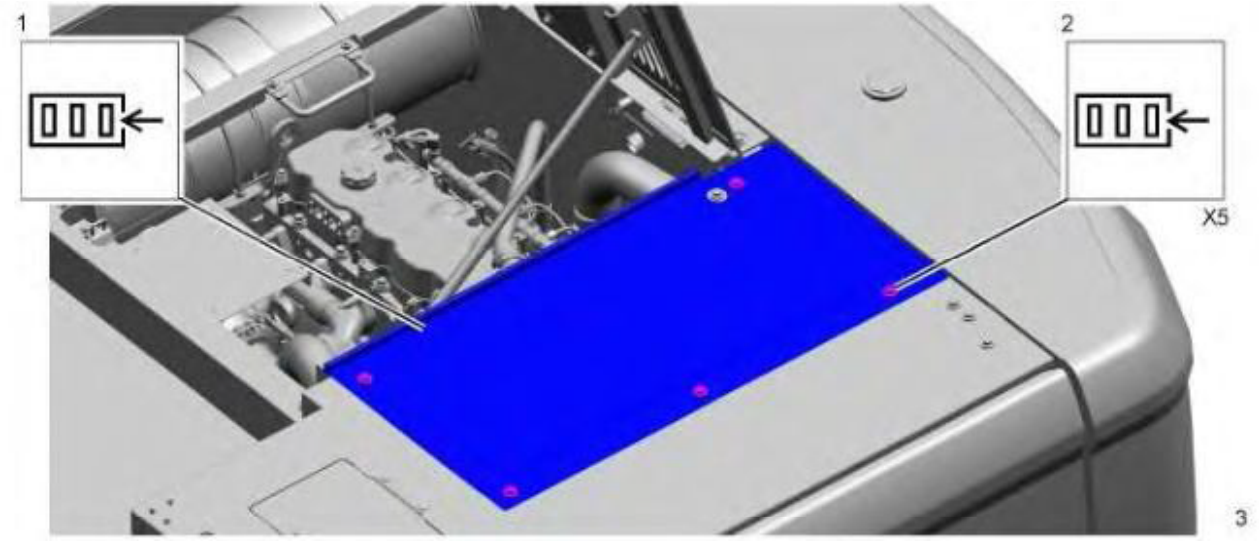

Illustration 3 g06320729

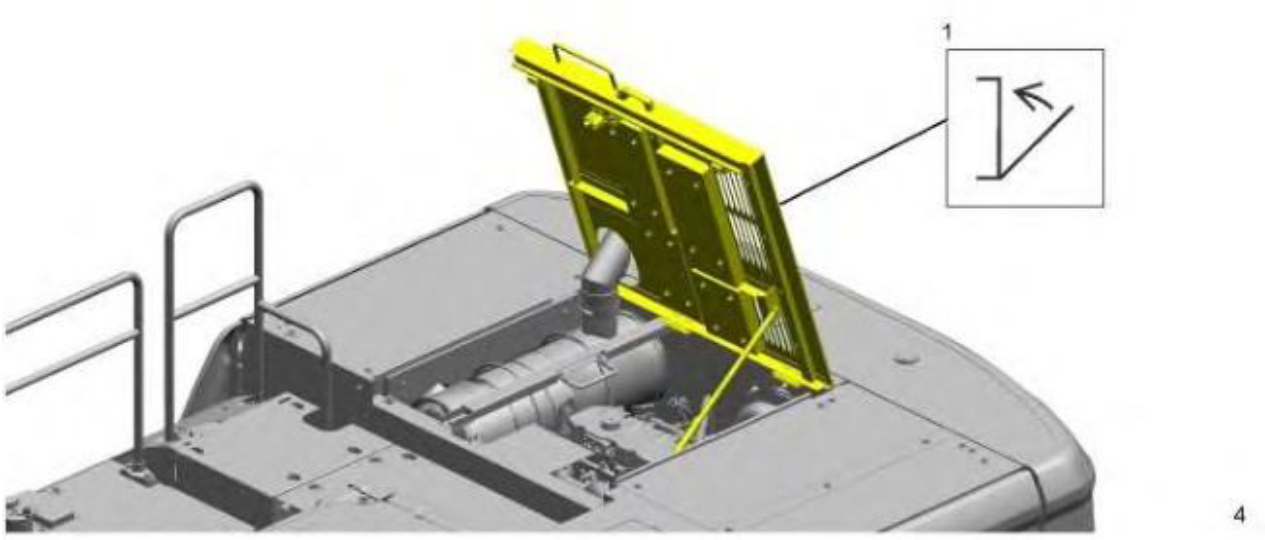

Illustration 4 g06320730

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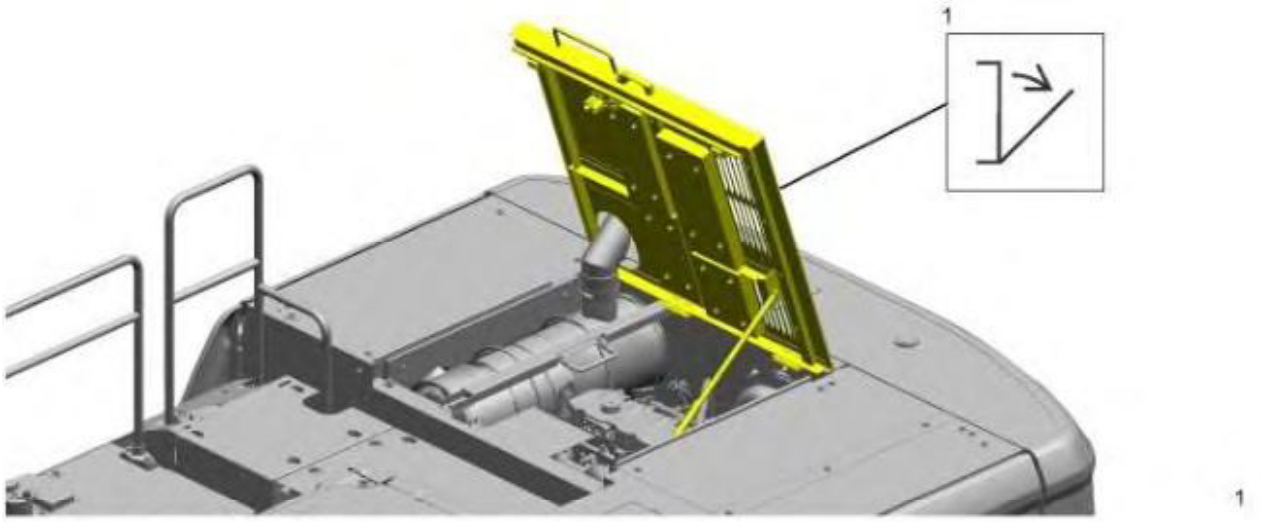
i07428214

Belt Tensioner - Remove

SMCS - 4197-011; 4198-011

Removal Procedure

Reference: Special Instruction, "Visual Service Procedures - Colors and Symbols" , M0066576.



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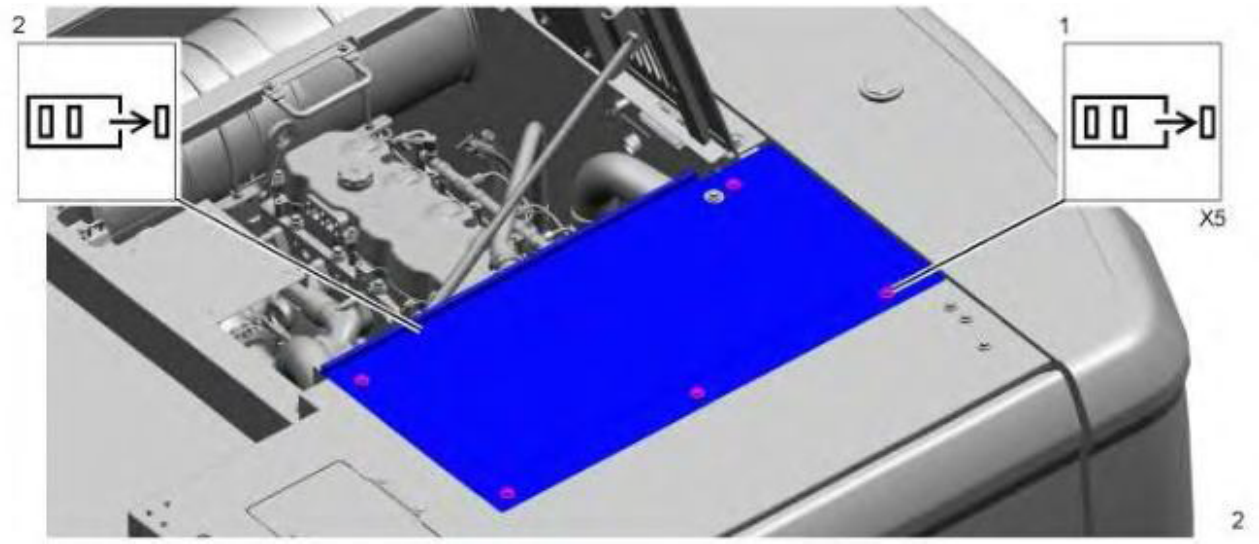

Illustration 2 g06320680

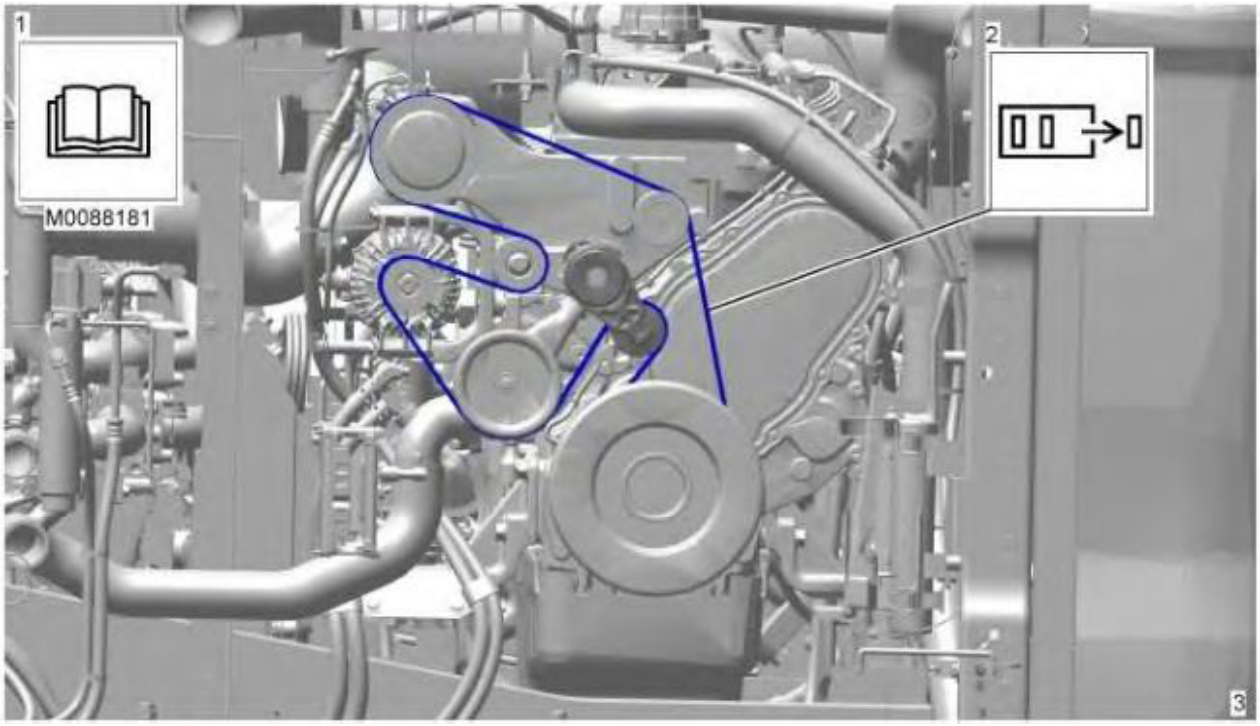

Illustration 3 g06320689

Refer to Operation and Maintenance Manual, "Belt - Inspect/Adjust/Replace", to remove and install the belt.

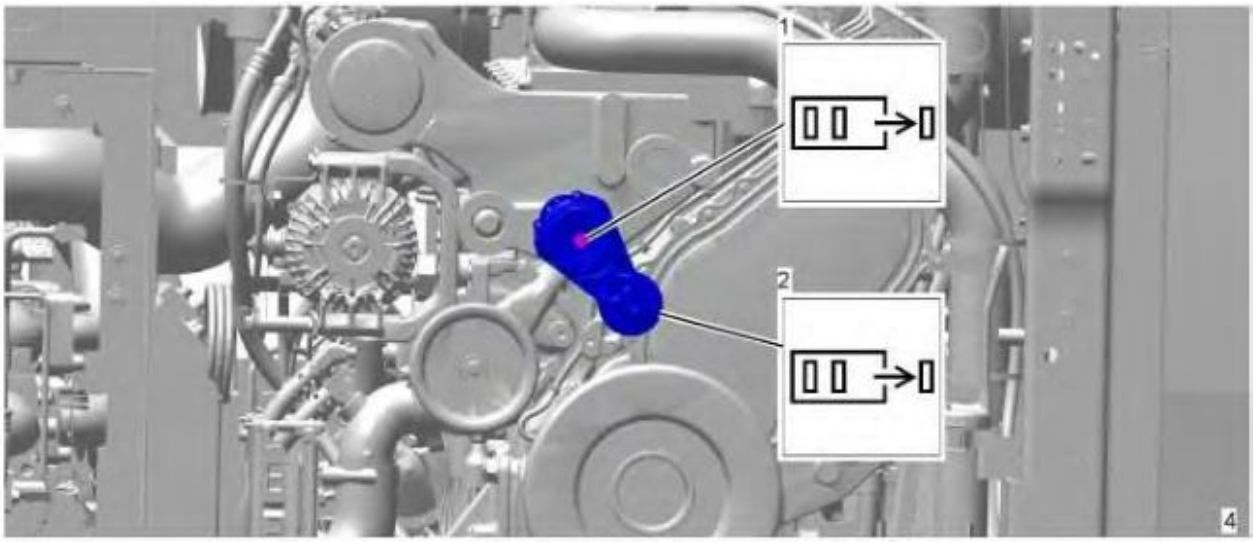

Illustration 4 g06320696

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i07581605

Cooling System Package (Radiator, Hydraulic Oil Cooler, and Aftercooler) - Assemble

SMCS - 1063-016; 1353-016; 1374-016

Assembly Procedure

Reference: Special Instruction, "Visual Service Procedures - Colors and Symbols" , M0066576

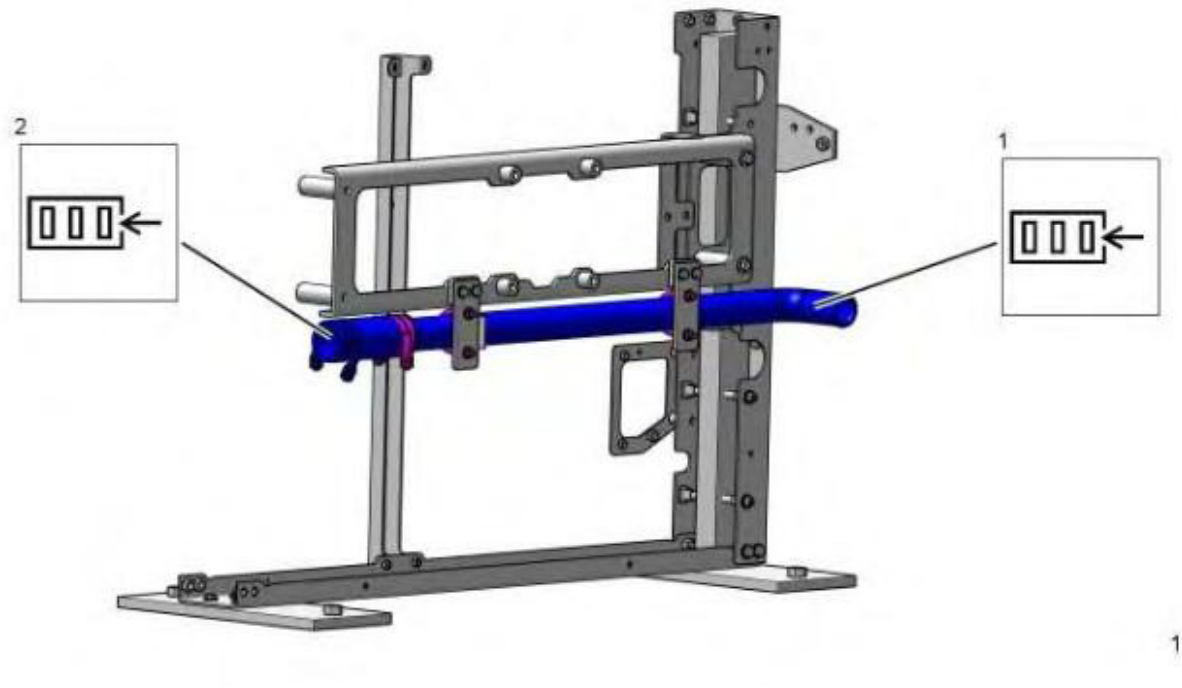

Illustration 1 g06311056

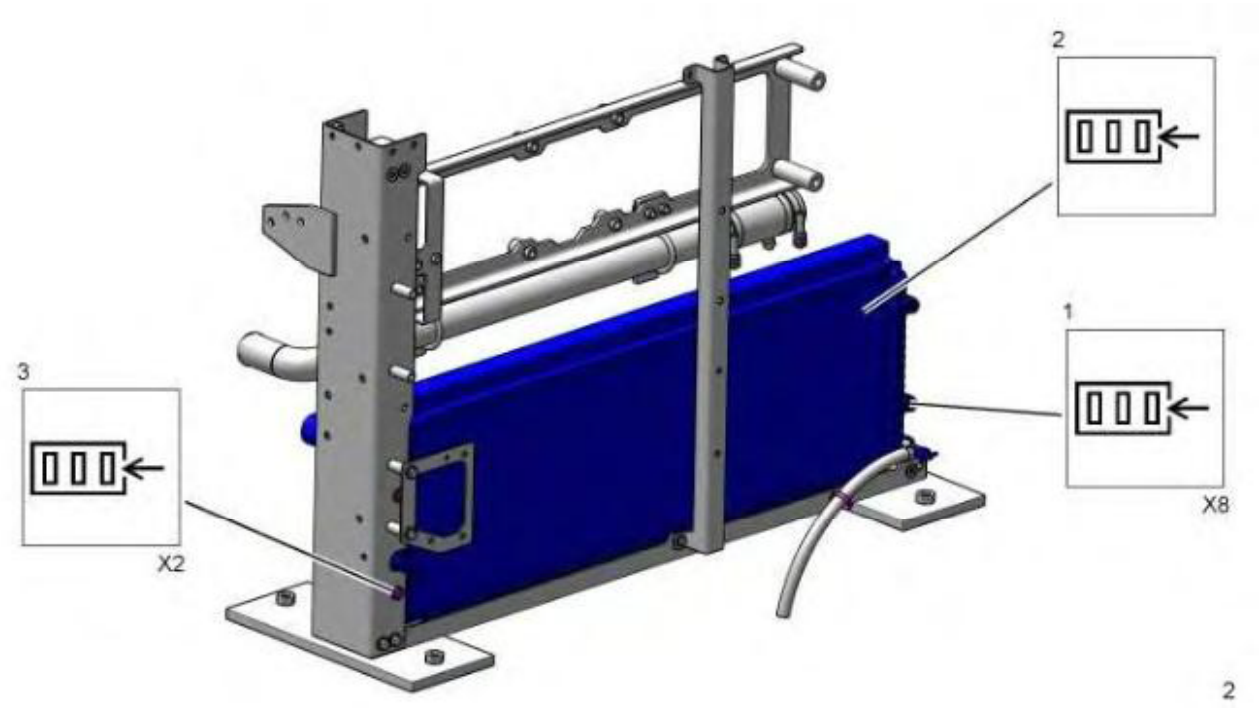

Illustration 2 g06311057

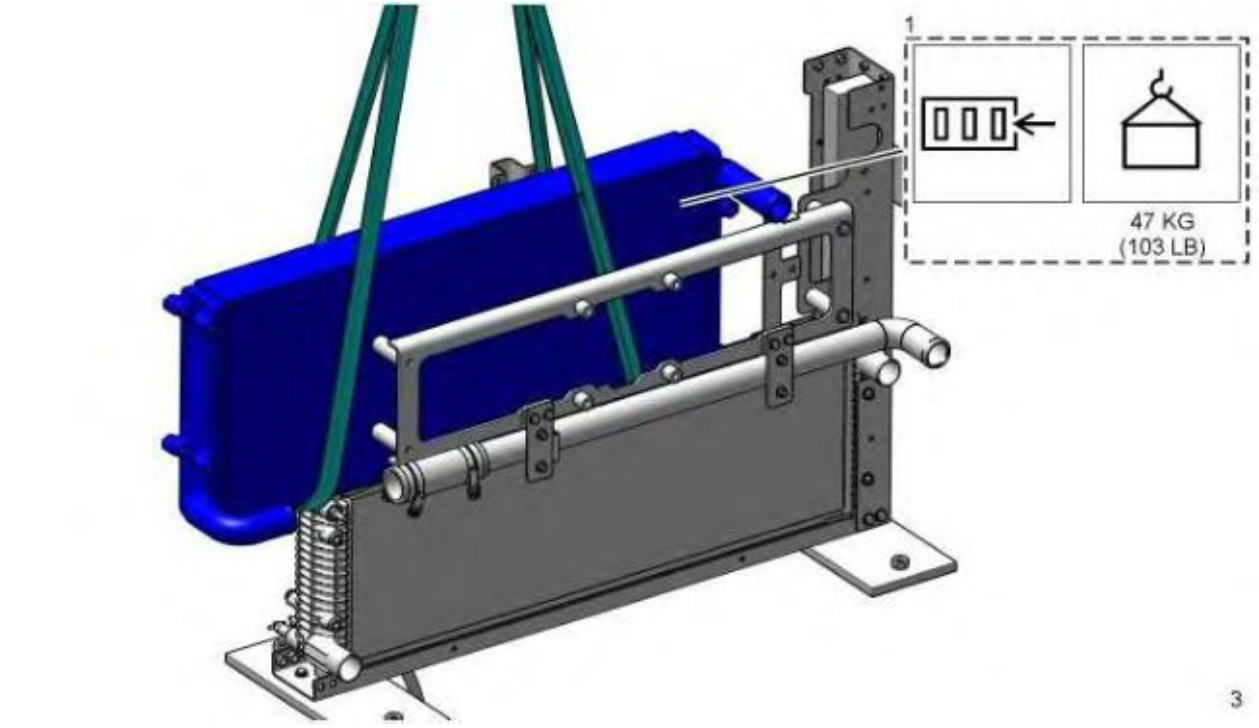

Illustration 3 g06311060

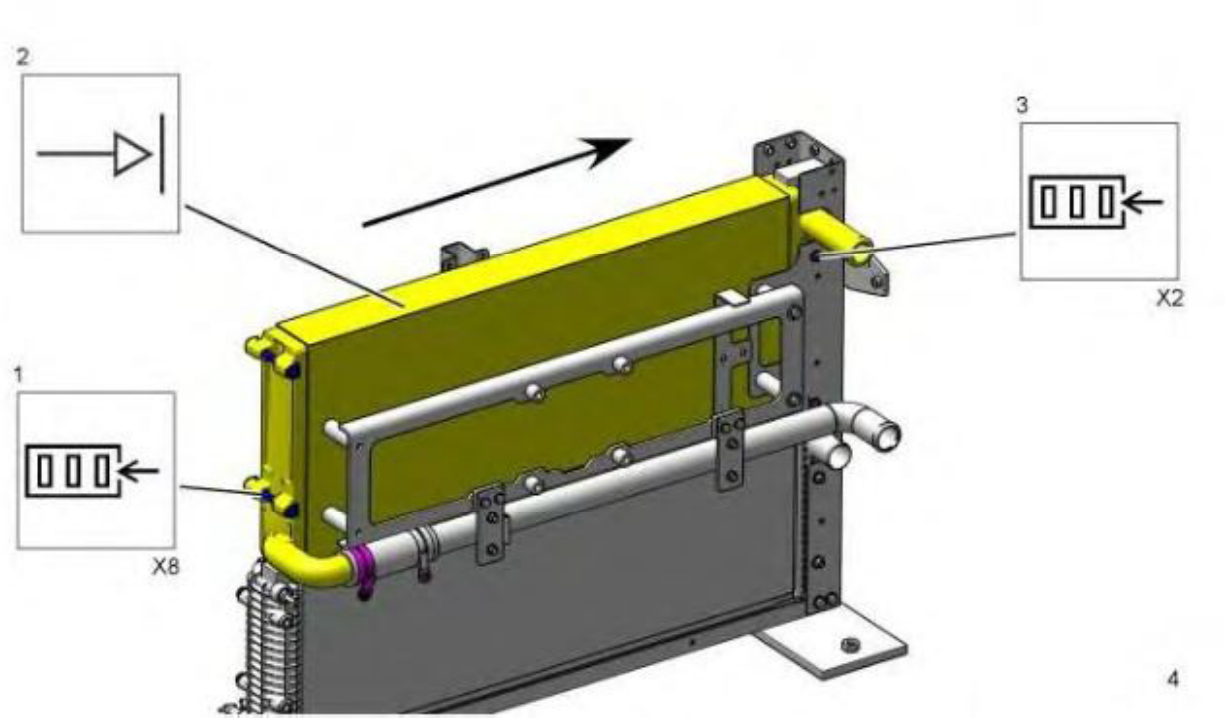

Illustration 4 g06311061

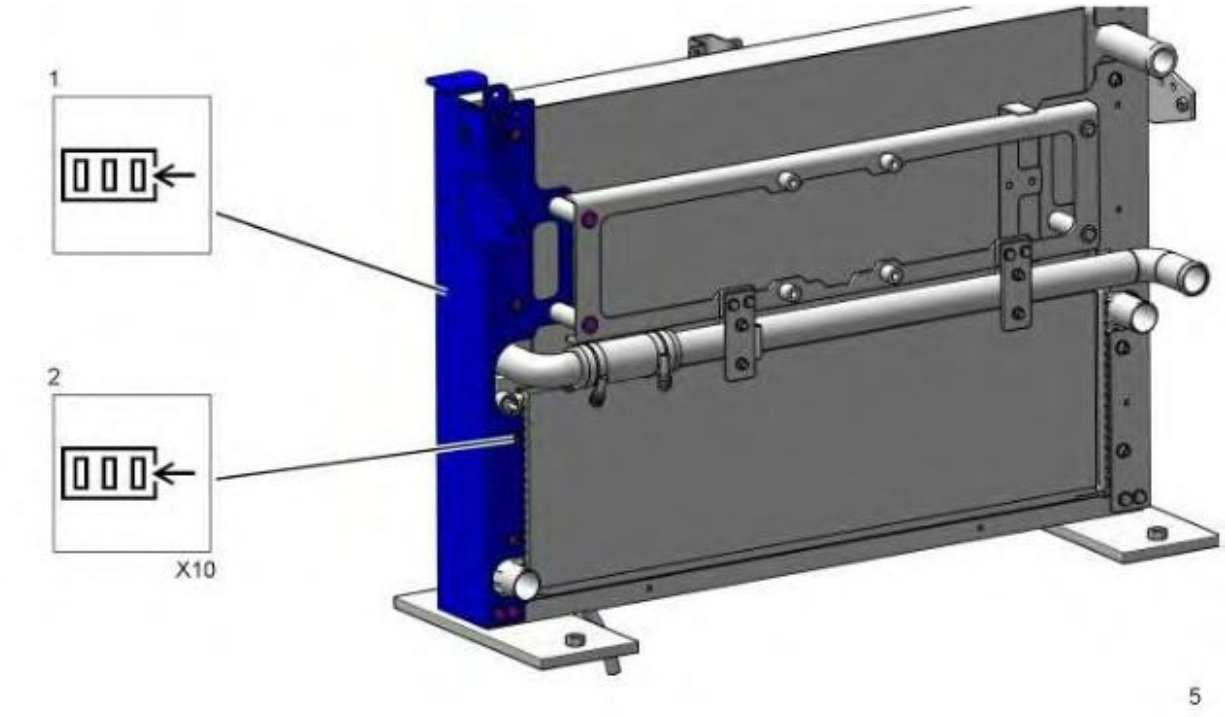

Illustration 5 g06311062

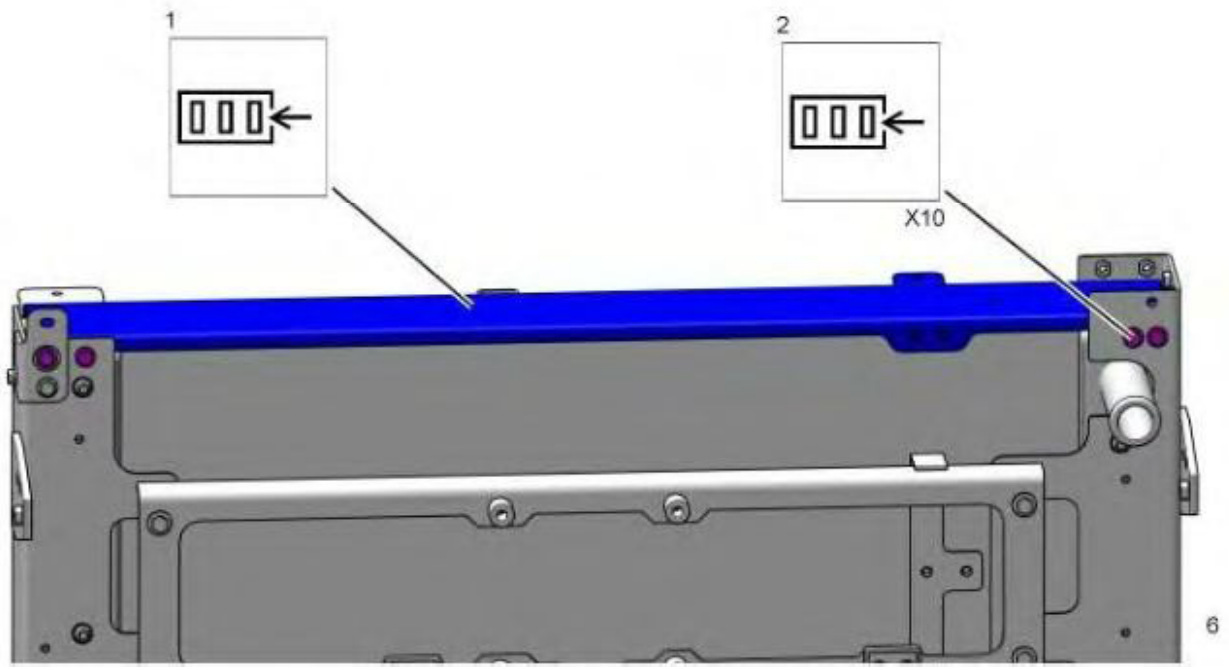

Illustration 6 g06311063

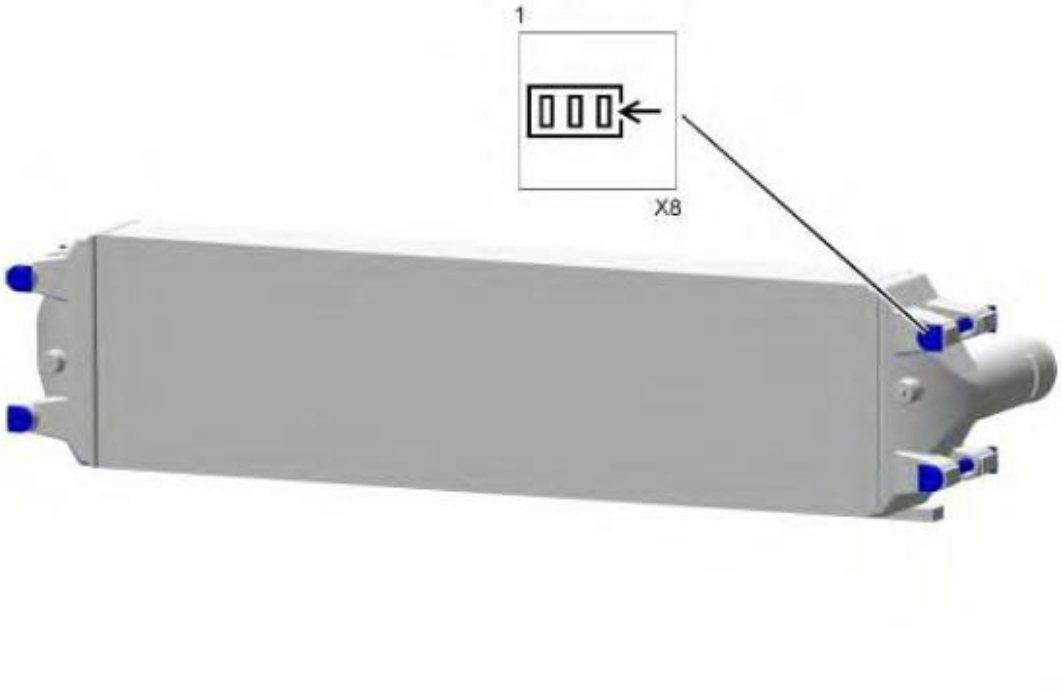

Illustration 7 g06311064

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